

Claims

1. A laboratory tempering device (1) for jointly tempering reaction samples (2) in at least two steps (Figures 1, 2, 3) in respectively assigned, specified temperature ranges, which are carried out repeatedly and consecutively as sequences of steps, the laboratory tempering device (1), in one step of the sequences of steps, bringing several groups (rows) of samples (2), in each case containing at least one sample, to temperatures within the temperature range, which are constant within the groups and different between the groups, wherein the laboratory tempering device (1), in each step (Figures 1, 2, 3) of the sequence, brings a different partial amount (I, II, III) of the samples (2) in groups (line by line) to temperatures, which are the same within the groups and different between the groups, and brings the samples of the other partial amounts to a same temperature within the assigned temperature range.

2. The laboratory tempering device of claim 1, wherein the samples (2) are disposed in rows and columns in a two-dimensional array.

3. The laboratory tempering device of claim 2, wherein the rows and columns are disposed orthogonally to one another.

4. The laboratory tempering device of claim 2, wherein all samples of a group lie in a row or in a column.

5. The laboratory tempering device of claim 2, wherein the partial amounts correspond to connected areas (I, II, III) of the array

6. The laboratory tempering device of claim 2, wherein the temperature differences are formed as temperature gradients (arrow) parallel to the rows or columns of the array.

7. The laboratory tempering device of claim 3, wherein the boundaries of the areas (I, II, III) are parallel to the direction of the gradient (arrow).

8. The laboratory tempering device of claim 4 wherein the boundaries of the areas (I, II, III) are parallel to the direction of the gradient (arrow).